



## Picayune Strand: Multiple-Use State Forest Management



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# Picayune Strand: Multiple-Use Management

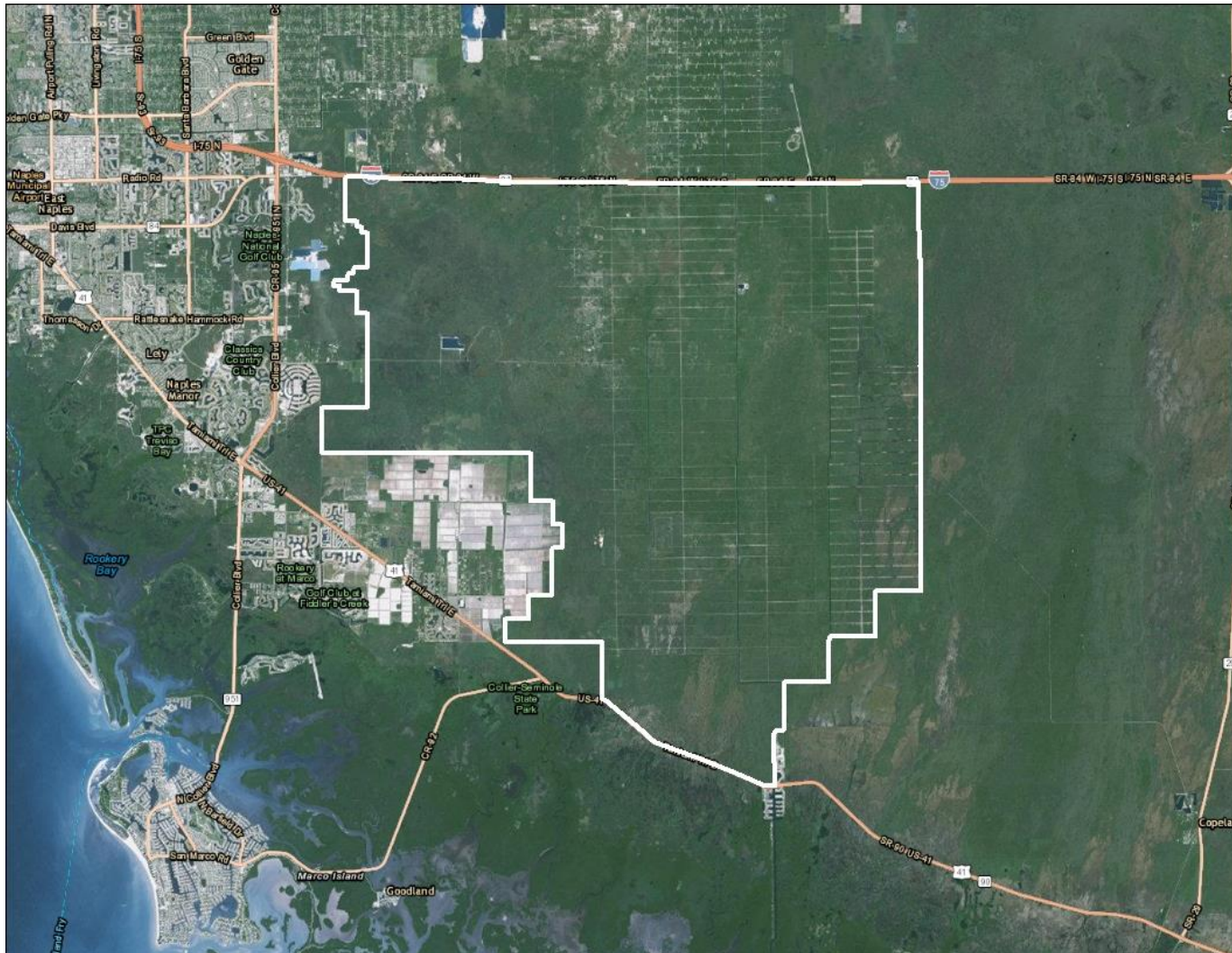
## Management

- Mission:  
“Protect and maintain biological diversity... while integrating public use of forest resources.”
- Forest management plans developed for 10-year periods; annual work plans determine management activities to be implemented on a yearly basis to achieve goals set forth in plans





# Picayune Strand – The Entire Forest is Vast



# History

- Prior to 20<sup>th</sup> Century
  - As of 1994, 63 cultural resources sites documented by DHR
  - At least 71 prehistoric sites located by USACOE

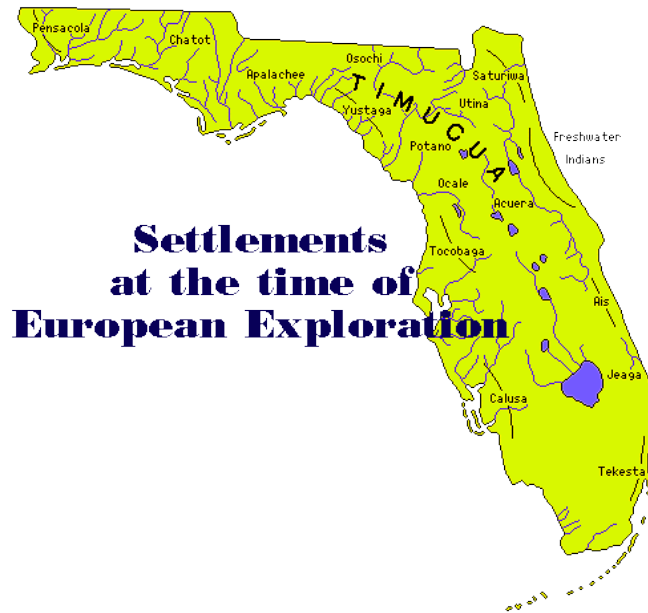


Figure 10: Shell Tools from 8CR191

# History



- 20<sup>th</sup> Century
  - Land drainage activities 1920s-50s
  - Cypress logging 1940s-60s
  - Faka-Union Canal System 1968-71
  - 279-Mile road system constructed during same time period



# History

- 1960's "Swampland in Florida" Scam = Ecological degradation
- 1970s-90s Collier County's "Wild Wild West"



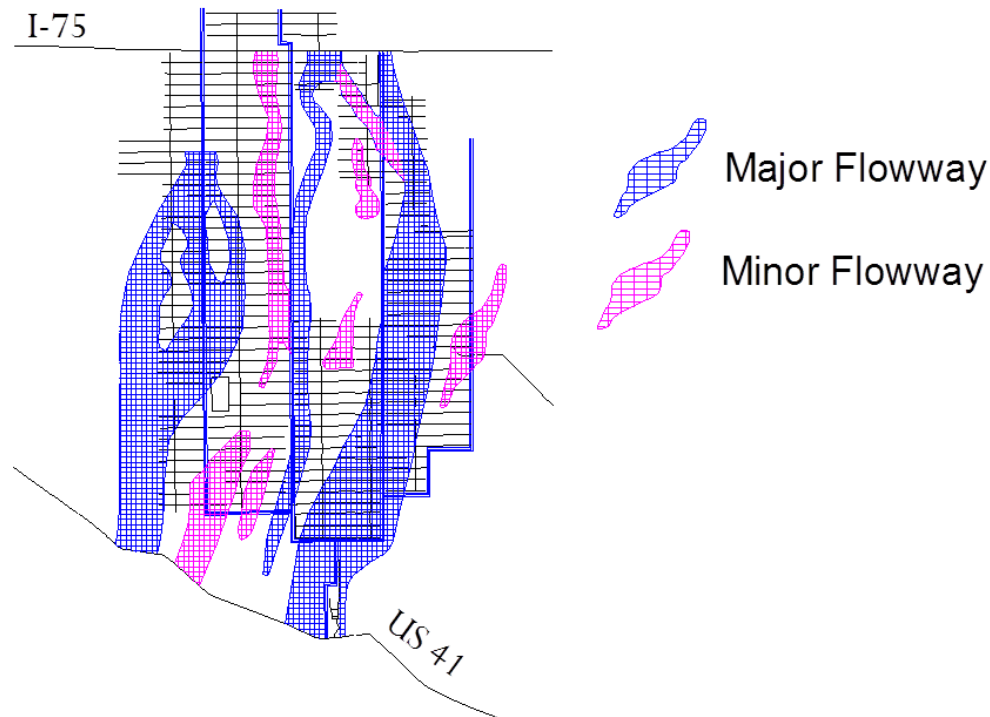
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# History

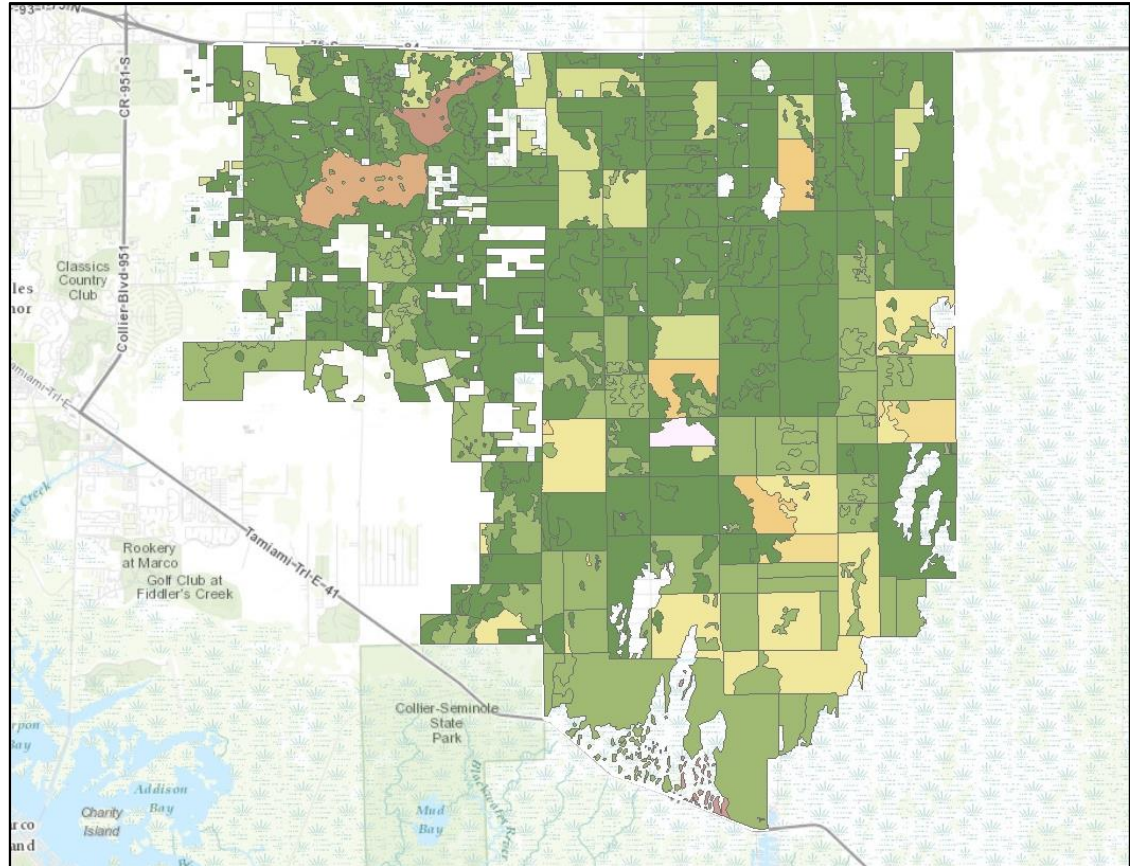
- 1960's "Swampland in Florida" Scam = Altered hydrology + altered fire regime = proliferation of invasive species, loss of native communities and wildlife habitat

## Major Flowways in SGGE



# Ecology

- Mosaic
- What influences determine these natural communities?
  - Hydrology
  - Fire Regime





# Ecology



# Ecology

SCIENTIFIC NAME	COMMON NAME	STATE FOREST OCCURRENCE		STATE STATUS <sup>1</sup>	FEDERAL STATUS <sup>2</sup>
		OSSF	PSSF		
Reptiles					
<i>Alligator mississippiensis</i>	American alligator	X	X	SC	LT(S/A)
<i>Drymarchon corais couperi</i>	Eastern indigo snake	X	X	LT	LT
<i>Gopherus polyphemus</i>	Gopher tortoise	X	X	SC	
Birds					
<i>Ajaia ajaja</i>	Roseate spoonbill	X	X	SC	
<i>Aramus guarana</i>	Limpkin	X	X	SC	
<i>Columba leucocephala</i>	White-crowned pigeon	X	X	LT	
<i>Egretta caerulea</i>	Little blue heron	X	X	SC	
<i>Egretta rufescens</i>	Reddish egret		X	SC	
<i>Egretta thula</i>	Snowy egret	X	X	SC	
<i>Egretta tricolor</i>	Tricolored (Louisiana) heron	X	X	SC	
<i>Eudocimus albus</i>	White ibis	X	X	SC	
<i>Falco sparverius paulus</i>	Southeastern American kestrel	X	X	LT	
<i>Grus canadensis pratensis</i>	Florida sandhill crane	X	X	LT	
<i>Haliaeetus leucocephalus</i>	Bald eagle	X	X	LT	LT
<i>Mycteria americana</i>	Wood stork	X	X	LE	LE
<i>Picoides borealis</i>	Red-cockaded woodpecker		X	SC	LE
<i>Rostrhamus sociabilis plumbeus</i>	Everglades snail kite	X	X	LE	LE
Mammals					
<i>Felis concolor coryi</i>	Florida panther	X	X	LE	LE
<i>Sciurus niger avicennia</i>	Big Cypress fox squirrel		X	LT	
<i>Trichechus manatus</i>	West Indian (Florida) manatee		X	LE	LE
<i>Ursus americanus floridanus</i>	Florida black bear	X	X	LT	
Plants					
<i>Angadenia berteroi</i>	Pineland allamanda		X	LT	
<i>Asplenium serratum</i>	Birds nest fern		X	LE	
<i>Bletia purpurea</i>	Pine pink orchid		X	LT	
<i>Calopogon multiflorus</i>	Many-flowered grass pink		X	LE	
<i>Campyloneurum coctatum</i>	Tailed strap fern		X	LE	
<i>Catopsis berteroniana</i>	Yellow catopsis		X	LE	
<i>Chrysophyllum oliviforme</i>	Satinleaf	X	X	LT	
<i>Cyrtopodium punctatum</i>	Cowhorn (cigar) orchid		X	LE	
<i>Encyclia tampensis</i>	Florida butterfly orchid	X	X	CE	
<i>Eitroplectris calcarata</i>	Spurred neottia		X	LE	
<i>Epidendrum anceps</i>	Dingy-flowered epidendrum		X	LE	
<i>Epidendrum nocturnum</i>	Night-scented epidendrum		X	LE	
<i>Epidendrum rigidum</i>	Rigid epidendrum		X	LE	
<i>Eulophia alba</i>	Wild coco orchid	X	X	LT	
<i>Habenaria distans</i>	Rein orchid		X	LE	
<i>Ionopsis utricularioides</i>	Delicate ionopsis		X	LE	
<i>Lilium catesbaei</i>	Pine lily	X	X	LT	

SCIENTIFIC NAME	COMMON NAME	STATE FOREST OCCURRENCE		STATE STATUS <sup>1</sup>	FEDERAL STATUS <sup>2</sup>
		OSSF	PSSF		
Plants (continued)					
<i>Linum carteri</i> var. <i>smallii</i>	Small's flax	X	X	LE	
<i>Myrcianthes fragrans</i>	Simpson's stopper	X	X	LT	
<i>Nephrolepis biserrata</i>	Sword fern		X	LT	
<i>Ophioglossum palmatum</i>	Hand adder's tongue fern		X	LE	
<i>Osmunda cinnamomea</i>	Cinnamon fern	X	X	CE	
<i>Osmunda regalis</i>	Royal fern		X	CE	
<i>Panicum abscessum</i>	Cutthroat grass	X		LE	
<i>Polyrhiza lindenii</i>	Ghost orchid		X	LE	
<i>Prosthechea cochleata</i>	Clamshell orchid		X	LE	
<i>Polystachya concreta</i>	Greater yellowspike orchid	X	X	LE	
<i>Roystonea regia</i>	Royal palm		X	LE	
<i>Sacola lanceolata</i> var. <i>lanceolata</i>	Leafless beaked ladiesstresses	X	X	LT	
<i>Sacola lanceolata</i> var. <i>paludicola</i> <sup>3</sup>	Fakahatchee beaked ladiesstresses		X	LT	
<i>Spermocoe terminalis</i>	Everglades Keys false buttonweed		X	LT	
<i>Spiranthes torta</i>	Southern ladies' tresses		X	LE	
<i>Tillandsia balbisiana</i>	Inflated (reflexed) wild pine		X	LT	
<i>Tillandsia fasciculata</i>	Cardinal airplant	X	X	LE	
<i>Tillandsia flexuosa</i>	Twisted (banded) airplant		X	LT	
<i>Tillandsia pruinosa</i>	Fuzzy-wuzzy (hoary) airplant		X	LE	
<i>Tillandsia uriculata</i>	Giant wild pine; giant airplant	X	X	LE	
<i>Tillandsia variabilis</i>	Soft-leaved wild pine	X	X	LT	
<i>Tournefortia hirsutissima</i>	Chiggery grapes	X		LE	
<i>Zephyranthes simpsonii</i>	Redmargin zephyrilly	X		LT	

<sup>1</sup>State Status: LE=Listed Endangered, LT=Listed Threatened, SC=Species of Special Concern, CE=Commercially Exploited.

<sup>2</sup>Federal Status: LE=Listed Endangered, LT=Listed Threatened, LT(S/A)=Listed Threatened due to similarity of appearance to another species.

<sup>3</sup>Identification tentative for Fakahatchee beaked ladiesstresses. Collection of flowering specimen required for confirmation of presence.

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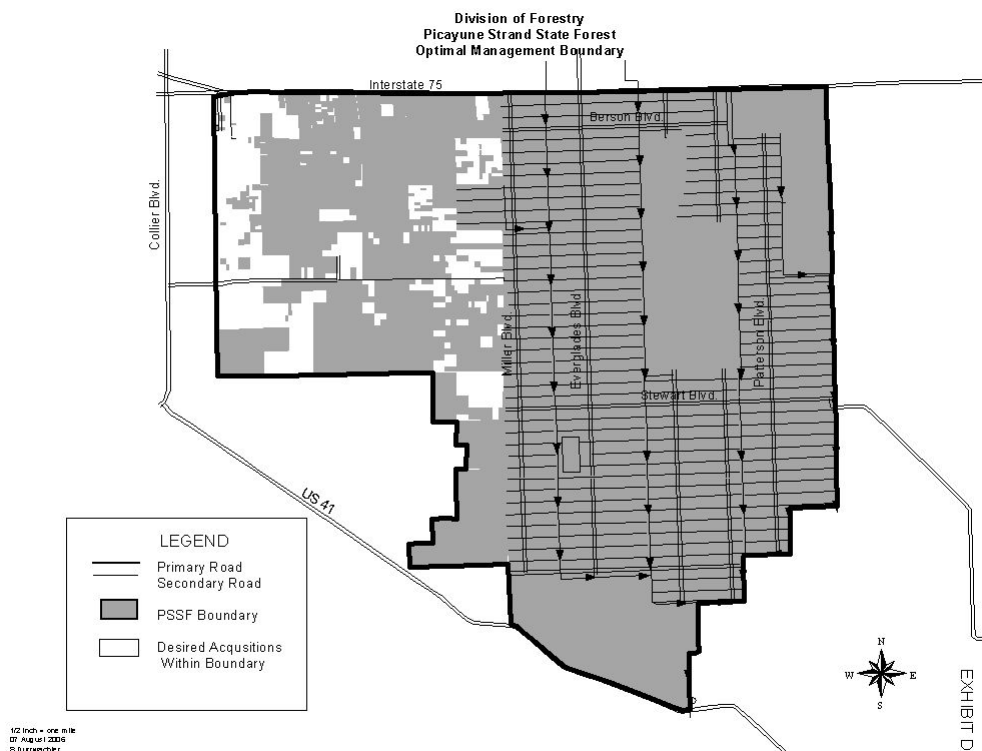
# Ecology



Fakahatchee beaked ladystresses  
*Sacoila lanceolata* var. *lanceolata*

# Restoration

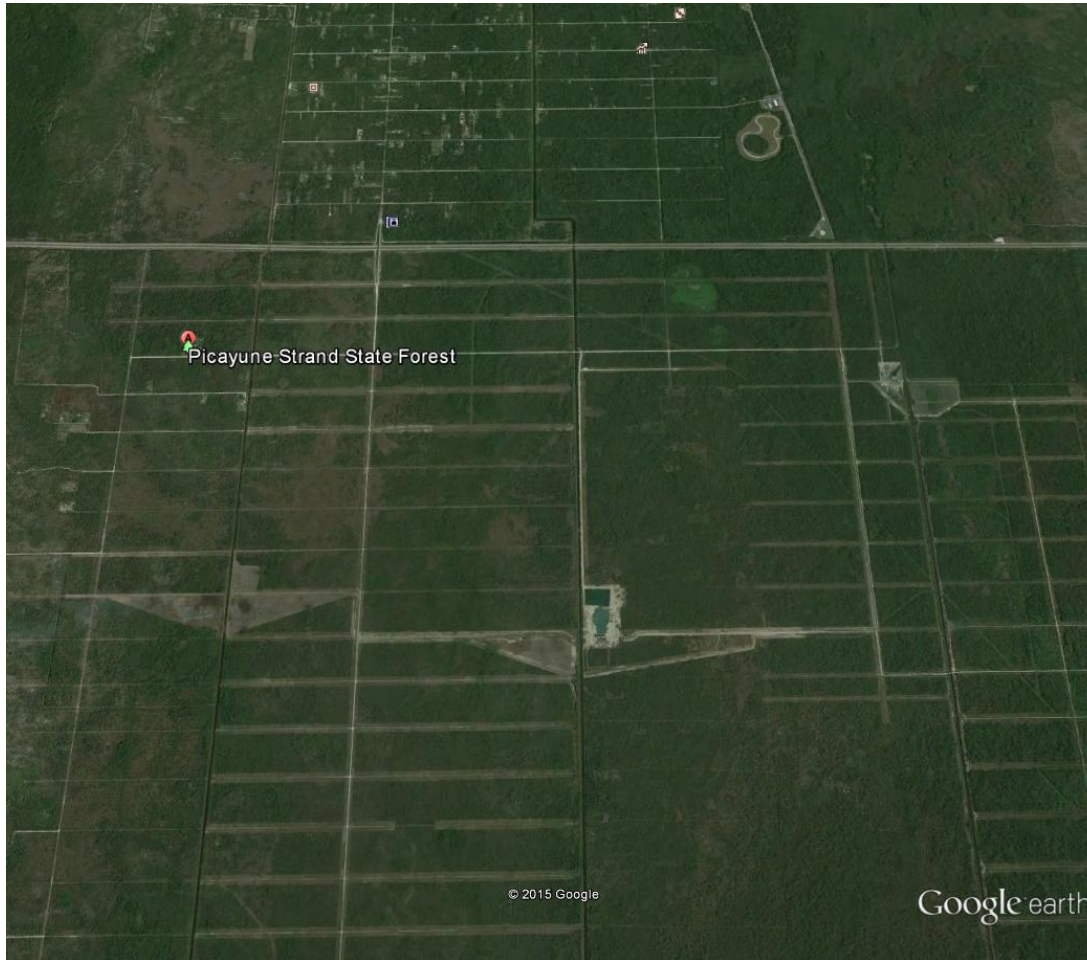
- Funded by numerous conservation/preservation programs
- 2 Tracts:
  - SGGE (55,371 ac.)
    - Acquisition: 1983/2006
  - Belle Meade
    - Acquisition 1993, ongoing





# Picayune Strand: History, Restoration and State Forest Management

## Restoration



# Management

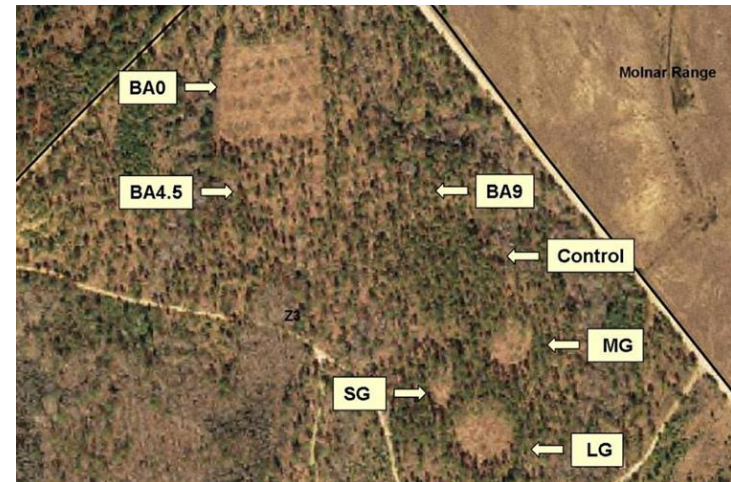
- Mgmt. strategies and decisions to achieve goals and objectives based on:
  - Information/knowledge obtained via:
    - Data collection
    - Practice
    - Research
  - Available resources





# Management

- Research:
  - Tree survival/growth
  - Understory plant species survival
  - Fire regimes/ behavior
  - Silvicultural impacts on soil/water (BMPs)
  - Other



# Management

- Ecologically-based Management
  - Available Resources:
    - Funding
    - Equipment
    - Labor
      - Skill/Experience





# Management

- Multi-use Objectives
  - Ecological services/health
  - Wildlife habitat
  - Timber/non-timber resource utilization
  - Recreation



# Management

- Prescribed fire
  - 17,000 ac./yr.
  - 3-5 yr. rotation for most communities





# Management

- Invasive Exotic Species Control
  - Plants
    - ~ 1,000 ac./yr
  - Animals
    - Hunts
    - FWC



# Picayune Strand: History, Restoration and State Forest Management

## Management

- Native
  - Red-Cockaded Woodpecker (RCW) Management

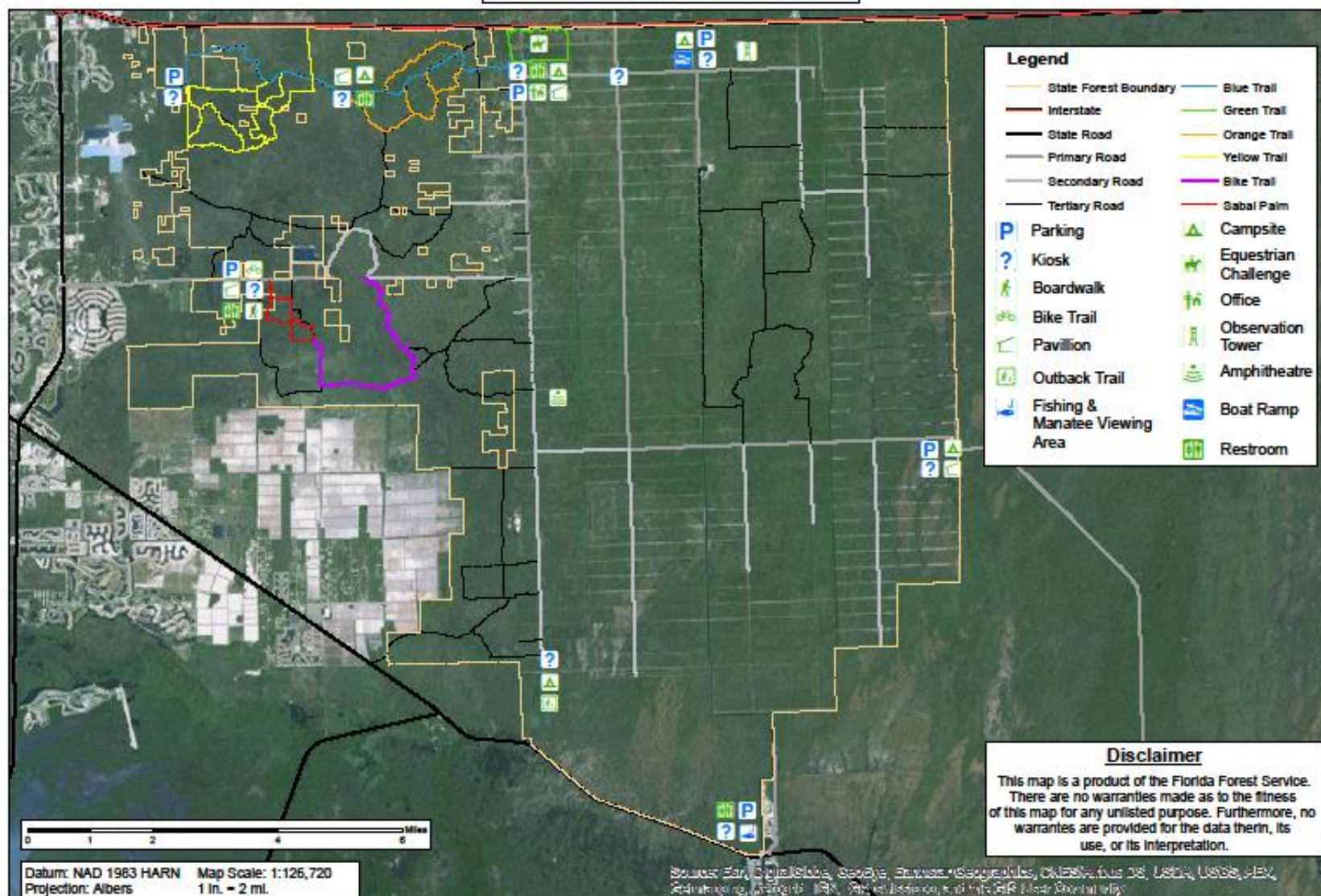




# Recreation

- Years of cooperative effort and visitation
- Camping
- Hunting
- Woods Driving
- Horseback riding
- Wildlife Viewing
- Hiking
- Off-Road Biking
- Special Events





# Hunting

- Wildlife Management Area managed with FWC.
- Seasonal and Quota hunts
- Allowing python hunting
- Well known for Turkey hunts
- Needed to manage resources on forest



# Camping



- Reserve America
  - Horseshoe Campground
    - 6 reservable campsites
    - 1 group camp
    - 1 pavilion
    - More open spaces for RV's, tents, etc.

## Kirkland Hammock

- 2 primitive campsites
- Walk in only
- Sabal Palm Trail
  - Special Use Permit site





# Horse Trails

- 22 miles of horse trails
- 17 uncovered paddocks
- Entrance in NW of forest near stables
- Special Events during year



# Driving Tours

- Utilize Existing Roads
- Primary/Secondary/Tertiary
- Seasonal Closures





# Wildlife Viewing





# Hiking Trails

- Sabal Palm Hiking Trail – 3 miles
- Green Trail – 2.5 miles
- Tie-back Levy Trail – 10 miles



# Biking

- Annual Tour de Picayune
- Tie back levies
- Tertiary roads





# Port of the Isles





# Fishing



- Canal Access to Gulf
- Freshwater
- Fishing off of US 41

# Teaching About the Forest



# What's in the future?

- Currently updating 10 year management plan;
- Expansion of current facilities;
- Creating Picayune Friends of FL State Forests Chapter;
- See Restoration Project move toward completion;
- Deconflicting user conflicts;
- “The Next Crazy Idea . . .”



# Connect With US

Twitter: @FFS\_CaFC

Facebook:

- Florida Forest Service
- Friends of FL State Forests

Web:

[www.floridaforestservice.com](http://www.floridaforestservice.com)

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